

DRUGS OF ABUSE



CNS DEPRESSANTS - *Drugs that depress the overall functioning of the Central Nervous System (CNS) to induce sedation, muscle relaxation, and drowsiness*.*

* "Uppers, Downers, All Arounders, 3rd Edition", CNS Productions



ALCOHOL



- * *Alcohol is the MOST ABUSED drug by Soldiers.*
- * *Alcohol is a Central Nervous System (CNS) depressant.*
- * *Alcohol is considered to be a gateway drug to other drug use.*
- * *A standard alcohol drink is considered to be:*
 - ☒ *One 12-ounce bottle of beer/wine cooler*



ALCOHOL



* *Alcohol is also known as:*

- *Juice*
- *Sauce*
- *Booze*
- *Grog*
- *Piss*

* *Some effects of alcohol are:*

- Slurred Speech
- Blurred Vision
- Loss of Inhibitions
- Impaired Motor Skills
- Nausea/Vomiting
- Unconsciousness





BARBITURATES



- ◊ *Barbiturates are prescription sedatives or tranquilizers.*
- ◊ *Barbiturates are multi-colored pills and tablets and are Central Nervous System (CNS) depressants that cause drowsiness.*
- Sleepers
 - Red
 - Barbs
 - Devils
 - Stumblers
 - Rainbows
- * *Barbiturates are also known as:*

BARBITURATES

- **Barbiturates are most often consumed to get “high”.**
- **Barbiturates can cause:**
 - **Sleepiness**
 - **Irregular Menstruation**
 - **Nausea/Dizziness**
 - **Vertigo**
 - **Impaired Senses**
 - **Lack of Motivation**
 - **Coma**
 - **Loss of Sexual Drive**
 - **Death**
- **Barbiturates are prescribed to treat:**
 - **Anxiety**
 - **Depression**
 - **Epilepsy**
 - **Insomnia**
 - **Alcohol and Other Drug (AOD) Withdrawal**



KETAMINE

- ⊕ *Ketamine, or ketamine hydrochloride, is a Central Nervous System (CNS) Depressant and a dissociative anesthetic, or a drug that separates perception from sensation.*
- ⊕ *Ketamine is used primarily as an anesthetic in veterinary medicine, but is also sometimes used with small children and the elderly.*
- ⊕ *Ketamine can be found as a clear white liquid or as a white powder.*

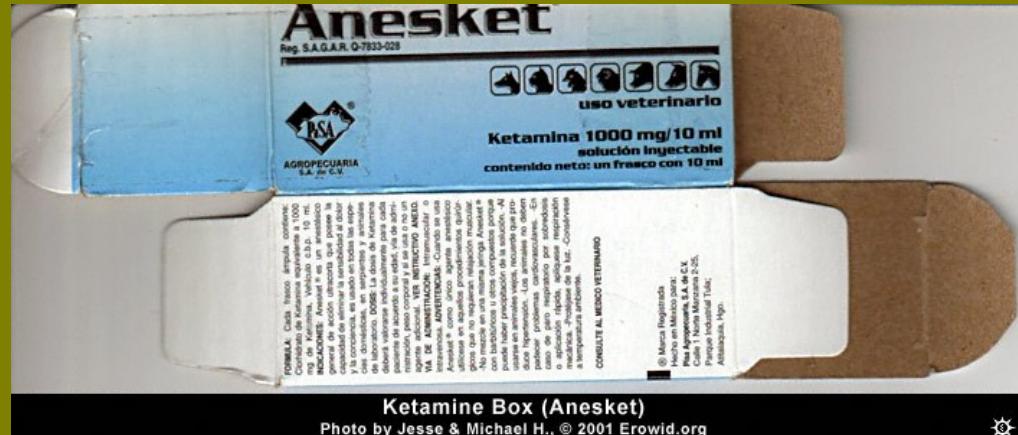
KETAMINE

- ⊕ *Ketamine can be ingested several different ways:*
 - Snorted
 - Smoked
 - Injected
 - Orally - In a pill or liquid form
- ⊕ *Ketamine is also called:*
 - Kit Kat
 - Special K
 - Super Acid



KETAMINE SIDE EFFECTS

- Chronic Depression
- High Blood Pressure
- Muscle Rigidity
- Respiratory Distress
- Paralysis
- Stroke
- Heart Attack
- Death
- “K-Hole” - Slang for the near-death or out-of-body experience that Ketamine causes.



Ketamine Box (Anesket)
Photo by Jesse & Michael H., © 2001 Erowid.org

OPIATES

- *Opiates are drugs that are derived from the Poppy Plant and are Central Nervous System (CNS) depressants.*
- *The most common opiates:*
 - Opium
 - Heroin
 - Morphine
 - Codeine
- *Opiatek ars opium bchinaver podiferent nam flower* I Hazel I Morf I H



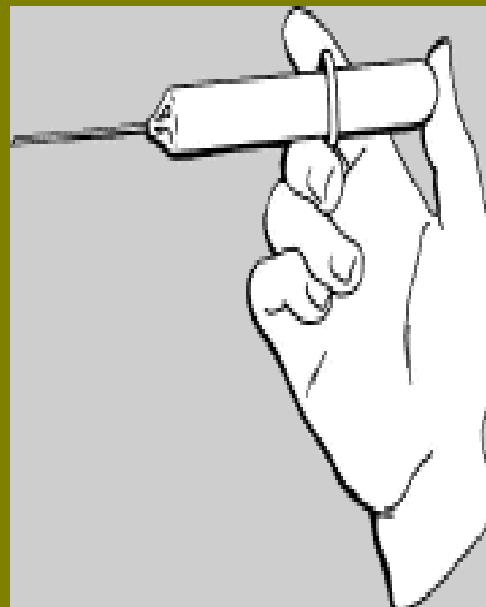
HOW ARE OPIATES CONSUMED?

Snorted -

Because of the high potency of heroin today, more and more users are snorting the drug.

Smoked - The method of choice for opium is smoking the tar like substance.

Other opiates are often smoked on top of marijuana. This is known as "*snow capping*".

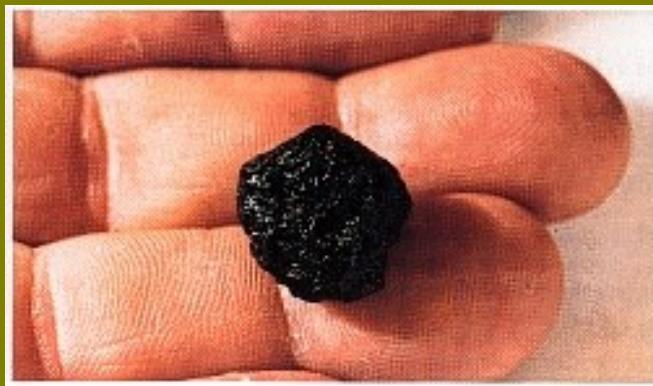


Injected - Injecting opiates, specifically heroin, is still the choice ingestion method. Many addicts choose to inject the drug because of the quick and powerful onset of the effects.

Eaten - All opiates can be consumed orally. Many prescription pain killers on the market today are opiates.

OPIATES SIDE EFFECTS

- Absence of Stress
- Altered Mental Process
- Nausea/Vomiting
- Collapsed Veins
- Sleepiness
- Constipation
- Itchy Skin
- Impaired Vision
- Menstrual Irregularities
- Loss of Sex Drive
- Liver Damage
- Kidney Damage
- Lung Damage
- Brain Damage
- Immune System Damage
- Overdose/Death



OXYCONTIN

- *Oxycontin is a synthetic opium derivative that is available by prescription.*
- *Oxycontin is an extremely potent pain killer that comes in time release tablets that last for up to twelve hours.*

OXYCONTIN

- *Oxycontin has been linked to over 120 overdose deaths nationwide. In addition to overdose, some serious side effects are:*
 - Chest pain
 - Nausea/Vomiting
- *Oxycontin is also called:*
 - OCs
 - XYs
 - Oxycoffins
 - Oxycotton
 - Fever
 - Seizures

GHB



- ▲ *GHB, or Gamma Hydroxylbuteric acid, is a central nervous system (CNS) depressant that sometimes causes hallucinations.*
- ▲ *GHB is usually found as a clear liquid with a slightly salty taste, but can also be found as a small tablet or capsule, all of which dissolve quickly in liquid.*
- ▲ *GHB usually is sold by capful or teaspoon, also known as a “dose”.*



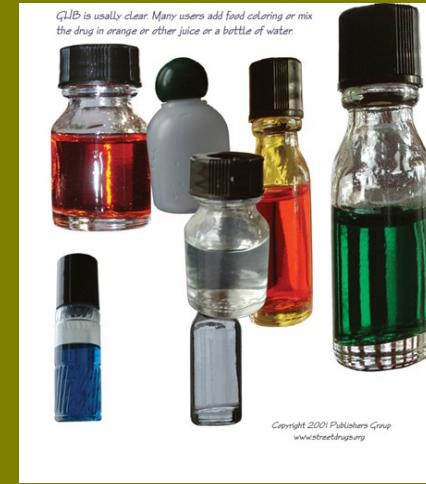
GHB



▲ ***GHB is also known as:***

- Georgia Home Boy
- Gamma X
- Fantasy

- Liquid X
- Gook
- Grievous Bodily Harm

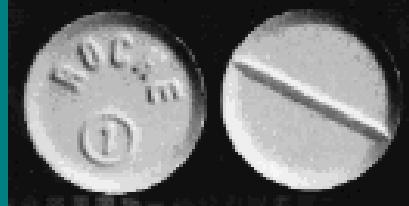


▲ ***The side effects of GHB depend on the amount consumed and can be felt within one hour of ingestion:***

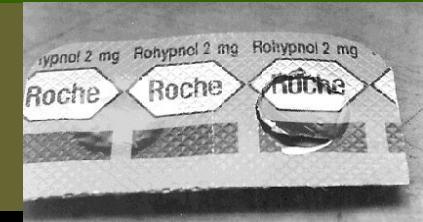
- Dizziness/Nausea
- Reduced Inhibitions

- Slurred Speech
- Grogginess

- Vertigo/Sight Problems
- Coma/Death



ROHYPNOL



- *Rohypnol (chemical name - fluritrazepam) is a CNS Depressant that is more than ten times as strong as Valium.*
- *Rohypnol belongs to the benzodiazepines family, which also includes drugs such as Valium, Librium, and Xanax.*
- *Rohypnol is known as a “Date Rape Drug” due to its association with sexual assaults.*
- *Rohypnol is almost always ingested orally in either the pill form or dissolved in a*

ROHYPNOL

- ***Rohypnol is sometimes also called:***
 - Roopies Drug
 - Forget Me Circles
 - Roach
 - Rib
 - Rope
- ***There are several side effects associated with Rohypnol use:***
 - Disinhibition
 - Slurred Speech
 - Aggressive Behavior
 - Amnesia
 - Respiratory Distress
 - Blackouts (can last 8-24 hours)
 - Dizziness/Nausea
 - Overdose
 - Death



Though typically white in color, flunitrazepam pills recently seized in Egypt were of a brownish-pink tint, indicating a counterfeit product.

CNS STIMULANTS - Drugs
that increase the chemical
and electrical activity of the
Central Nervous System
(CNS) and make the user
more alert, active, anxious,
restless and, in general,
more stimulated than
normal*.

* "Uppers, Downers, All Arounders, 3rd Edition",
CNS Productions



AMPHETAMINES

Amphetamines are generally a white or off-white powder that can be ingested orally, snorted, or injected.

- The side effects of amphetamine abuse can include:
 - Dizziness, Nausea
 - Decreased Appetite
 - Body Tremors
 - Irregular Heartbeat
 - Loss of Coordination
 - Chronic Psychosis
- Chronic Anxiety
- Brain Damage
- Coma/Death

AMPHETAMINES

- *Amphetamines are powerful stimulants that increase activity in the Central Nervous System (CNS), or speed up the way the human body works.*
- *Amphetamines are drugs that induce false feelings of power, strength, self assertion and enhanced motivation.*
- *Amphetamines are also known as Speed Jolts, Black Beauties, and*
- *Wake Ups □ Bennies □ Crystal*





METHAMPHETAMINE



- * *Methamphetamine is a powerful, synthetic Central Nervous System (CNS) Stimulant.*
- * *Methamphetamine is generally a white or off-white powder that can be ingested several different ways:*
 - **Orally - In a pill form**
 - **Snorted - This can cause severe damage to the interior and exterior of the nose.**
 - **Intravenously - The methamphetamine can be injected into either the blood stream or the muscle tissue**
 - **Smoked - Methamphetamine is sometimes smoked by itself or on top of marijuana**

METHAMPHETAMINE

□ *Methamphetamine is also known as:*

- Ice
- Meth
- Crystal
- Crystal
Meth

**The side effects of methamphetamine are so serious that they can effect the abuser for the rest of their life.*

- Anxiety/Panic
- Birth Defects

□ Attacks

□ Severe

□ Chronic

□ Psychological

□ Depression

□ Problems

□ Kidney

□ Stroke

□ Disorders

□ Death

□ Lung Disorders

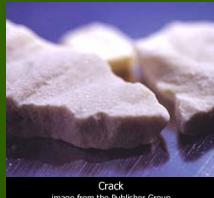
□ Immune System
Damage



COCAINE

- ▲ *Cocaine is a bitter, white, odorless, crystalline drug.*
- ▲ *Cocaine is a Schedule II drug and is classified as a CNS stimulant.*
- ▲ *Cocaine is extracted and refined from the Coca Plant, which is primarily in the Andean South America.*
 - Dust
 - Blow
 - Candy
 - Coke
- ▲ *Cocaine is also known as Crack*





Crack
image from the Publisher Group

COCAINE



▲ *The side effects of cocaine use can be extremely dangerous:*

- Dilated Pupils
- Increased Heart Rate
- Nausea/Vomiting

- Psychosis
- Fear/Paranoia
- Kidney Failure
- Seizures
- Strokes
- Overdose/Death

▲ *The level and length of the effects depend on how the drug was induced.*

	Onset	Duration
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Snorted	1 minute	20-40 Minutes
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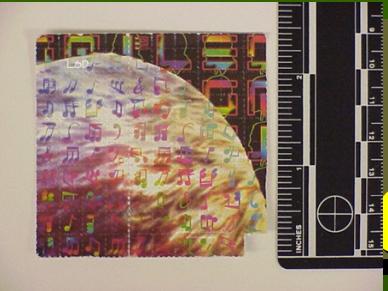
Injected	1-5 Seconds	15-20 Minutes
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HALLUCINOGENS - *Drugs
that cause intensified
sensations, mixed-up
sensations (visual input
becomes sound), illusions,
delusions, hallucinations,
stimulation, and impaired
judgment and reasoning**.

* "Uppers, Downers, All Arounders, 3rd Edition",
CNS Productions

LSD

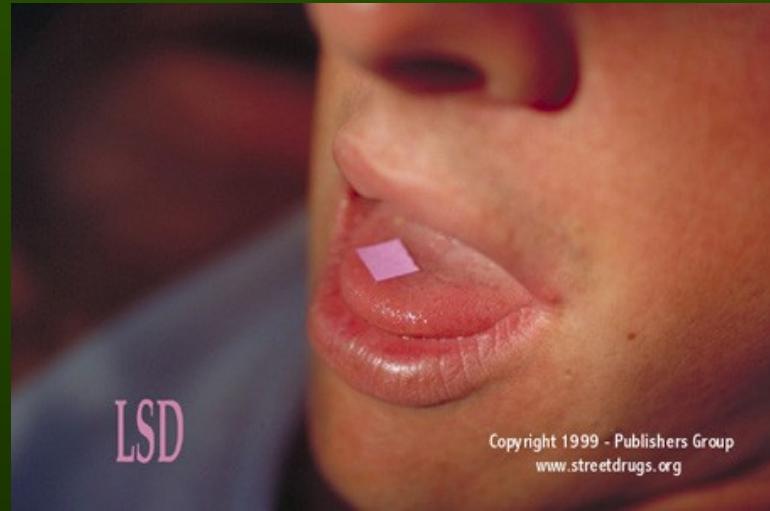
- ⌘ *LSD is hallucinogenic chemical that is derived from a parasitic fungus that grows on rye.*
 - ⌘ *LSD is produced as a crystal, then dissolved in alcohol prior to sale and consumption.*
 - ⌘ *LSD users describe their experience with the drug as a “trip”.*
 - ⌘ *LSD has become known as the “acid blotter”.*
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HOW IS LSD ONSUMED?

LSD is generally taken orally, either as a pill, a piece of blotter paper (as seen on right), or via liquid dripped onto a sugar cube.

LSD can also be absorbed through the users skin.





LSD SIDE EFFECTS



- *Physical side of effects of LSD include:*
 - Dilated Pupil
 - Body Tremors
 - Extreme Sweating
 - Nausea
 - Loss of Appetite
 - Seizures
- *Most psychological side effects are due to severe changes to the user's perception, thought, and mood:*
 - Hallucinations
 - Loss of Depth
 - Perception of fear and anxiety - "BAD TRIPS"
 - Fusion of Senses (i.e. Seeing Music and Hearing Colors)
 - Distorted Perception of Time
 - True Hallucinations



MUSHROOMS



- *Mushrooms that contain PSILOCYBIN are known as ‘magic mushrooms’ as they contain hallucinogenic properties.*
- *Magic mushrooms have been used by several cultures to induce altered states of consciousness during their religious rituals.*
- *Mushrooms can be consumed in a variety of manners:*
 - * *Eaten - Either raw or cooked, much like non-hallucinogenic mushrooms.*
 - *Drank - Heated with water to make a tea or soup.*

MUSHROOMS

The side effects of Mushrooms vary greatly depending upon the strength and purity of the fungus:

➤ *Stomach Pains*

➤ *Increased Heart Rate*

➤ *Nausea/Vomiting*

➤ *Diarrhea*

➤ *Mental Disorders*

➤ *Anxiety/Panic Attacks*

➤ *Flashbacks*

➤ *Impaired Judgment*



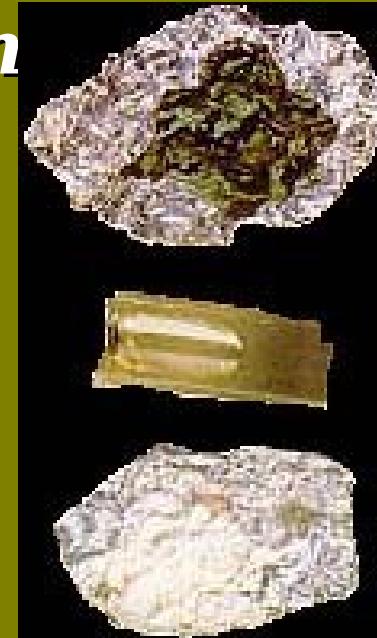
PCP

- *PCP is classified as a hallucinogen and a dissociative anesthetic, or drug that separates perception from sensation.*
- *PCP comes in several form*

- *Crystalline Powder*
- *Colored Powder*
- *Diluted in Water*
- *Pills*
- *Capsules*

- *PCP is also known as:*

- Angel
- Sherm
- Dust
- Boat
- Dust



PCP

- ***PCP can be ingested several ways:***
 - ***Orally - In liquid or pill form***
 - ***Smoked***
 - ***Snorted***
 - ***Injected***
- ***PCP has been known to be used in combination with other substances:***
 - ***LSD - “Super Tripping”***
 - ***Marijuana - “Killer Weed” or “Boat”***
 - ***Tobacco - “Sherms”, usually with menthol cigarettes to sooth the burning of the hot PCP smoke.***
 - ***Mint/Parsley - “Green”***





PCP SIDE EFFECTS



The side effects of PCP use can cause serious long term damage to the human body:

➤ Irregular Heart Rate

➤ Nausea/Vomiting

➤ Loss of Reflexes

➤ Chronic Psychosis

➤ Death

- Kidney Failure
- Brain Hemorrhaging
- Schizophrenia
- Coma

Cigarette with PCP in Formaldehyde



MIND ALTERING DRUGS -
*Drugs that cannot be
classified into any single
category. Mind altering
drugs can contain CNS
depressant, CNS stimulant,
and/or hallucinogenic
properties**.

* "Uppers, Downers, All Arounders, 3rd Edition",
CNS Productions



THC



- *THC (Marijuana) is the MOST ABUSED illicit drug in the United States Army and is considered to be a “Gateway Drug”.*
- *Delta 9 - Tetrahydrocannabinol (THC) is the active ingredient that causes the “high”.*
- *THC is psychologically addictive - abuse and addiction is frequently denied.*
- *Marijuana is a psychoactive or mind altering drug.*
 - *Psychoactive drugs can produce a mind state similar to psychosis.*

THC (THREE BASIC FORMS)

- ◆ Marijuana - Made from the leaves, flowers or stems of the hemp plant.
- ◆ Hash/Hashish - Concentrated form of marijuana by compressing marijuana resins into small blocks.
- ◆ Hash Oil - Made by soaking marijuana in a chemical solvent (such as rubbing alcohol) and then evaporating the solvent to obtain an oil concentrate.



THC

- ***THC is also called:***

- Weed □ Grass □ Dope □
- Joints □ Tar □ Green Bud
- Blunts

- ***THC is associated with many side effects:***

- Short Term Memory
- Loss of Sexual Drive
- Paranoia
- Hallucinations
- Bronchitis
- Dry Mouth/Throat
- Sleepiness
- Panic Attacks
- Lung Cancer
- Increased Heart Rate
- Psychosis
- Brain Damage



INHALANTS

- *Inhalants are breathable chemical vapors that produce mind altering effects.*
- *Inhalants are often abused because they are readily available, inexpensive, and can be found almost anywhere.*
- *There are three different types of inhalants:*

- *Solvents*

- *Gases*

- *Nitrites*



HOW ARE INHALANTS INGESTED?

- ¥ *Inhalants are ingested into the body by breathing in the vapors of the product. Several methods of inhalation are used by abusers:*



Use of a Bag - The bag is filled with the vapors and the user breathes air from the bag. Sometimes users will put their entire head into the bag.

Use of a Rag - The rag is soaked in the product and the user presses the rag over his/her mouth and nose.

Pressurized Containers - Some abusers will inhale the product directly from the container.

INHALANTS

- *Many of the products that are abused are everyday household items:*
 - Glue/Rubber Cement
 - White-out
 - Aerosols/Hair Spray
 - Toxic Markers
 - Gasoline/Propane
 - Room Odorizers
- *Use of inhalants can cause serious long term damage to the*
~~Health~~*Sight/Vision only:*
 - Disorders
 - Liver Damage
 - Kidney Damage
 - Bone Marrow Damage
 - Brain Damage
 - Paralysis/Death



PERFORMANCE ENHANCING DRUGS - *Energy producing drugs that are thought to possess various capabilities to boost an athlete's performance by giving them a competitive edge**.

* "Uppers, Downers, All Arounders, 3rd Edition", CNS Productions

ANABOLIC-ANDROGENIC STEROIDS

- *Anabolic Steroids are synthetic drugs that relate to the male sex hormones, or androgens.*
- *Anabolic-androgenic Steroids are more commonly known as “Anabolic Steroids”.*

ANABOLIC-ANDROGENIC STEROIDS

Anabolic Steroids Effect the Human Body in Two Major Areas:

- 1) The anabolic effects of the drugs promote the growth of skeletal muscle.*
- 2) The androgenic effects of the drugs promote the development of male sexual characteristics.*



HOW ARE THEY TAKEN?

***Anabolic Steroids can be
ingested in a variety of ways:***

- 1) Orally - In a pill or liquid form.***
- 2) Intravenously - Injected with the
use of a hypodermic needle.***
- 3) Rubbed onto the skin with the
steroid in a gel or cream form.***

******Some steroid users mix different
types and amounts of these drugs
to increase the effects. This is call
“Stacking”.******

STEROIDS SIDE EFFECTS

- Baldness
- Sterility
- Brain Damage
- Blood Clotting
- High Blood Pressure
- Liver Cancer
- Hepatitis
- Eye Infections
- Kidney Disease
- Chronic Depression
- Loss of Memory
- Loss of Interest
- “Roid Rage” - *An over aggressive, and sometimes homicidal, attitude associated with steroid use*



UNITED STATES ARMY CENTER FOR SUBSTANCE ABUSE PROGRAMS



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